

Amendments to the Claims

A full list of the claims is as follows:

1. (Currently amended) A medical apparatus comprising:
a medical device sized for insertion into a patient, the medical device having a first surface, and a second surface; [[and,]]
a plurality of nanotubes associated with the first surface of the medical device; and
a therapeutic associated with the plurality of nanotubes;
wherein a portion of a molecule of the therapeutic is carried within a first nanotube from
the plurality of nanotubes and the remainder of the molecule is positioned outside of the first
nanotube from the plurality of nanotubes.
2. (Original) The medical apparatus of claim 1 further comprising:
a plurality of nanotubes associated with the second surface of the medical device.
3. (Original) The medical apparatus of claim 1 wherein the plurality of nanotubes associated with the first surface of the medical device is comprised of a single layer of nanotubes.
4. (Canceled)
5. (Original) The medical apparatus of claim 4 wherein the therapeutic is carried within the nanotubes of the plurality of nanotubes.
6. (Canceled)
7. (Original) The medical apparatus of claim 1 wherein the plurality of nanotubes are positioned within a coating.
8. (Original) The medical apparatus of claim 4 wherein the therapeutic and the nanotubes are positioned within a coating.

9. (Original) The medical apparatus of claim 2 wherein the plurality of nanotubes associated with the second surface comprises more than one layer of nanotubes.
10. (Original) The medical apparatus of claim 1 wherein the medical device is either a stent or a catheter.
11. (Currently amended) A method of treating a medical device sized for insertion into a patient, the method comprising:

providing a plurality of nanotubes for interfacing with the medical device; [[and]]
interfacing the plurality of nanotubes with the medical device; and
interfacing the plurality of nanotubes with a therapeutic;
wherein a portion of a molecule of the therapeutic is carried within a first nanotube from
the plurality of nanotubes and the remainder of the molecule is positioned outside of the first
nanotube from the plurality of nanotubes.
12. (Canceled)
13. (Original) The method of claim 11 wherein the plurality of nanotubes form a layer of single nanotubes on the medical device.
14. (Currently amended) The method of claim 11 wherein the plurality of nanotubes are within a carrier and wherein the plurality of nanotubes are associated with at least one therapeutic.
15. (Withdrawn) A method of treating target site comprising:

delivering a nanotube associated with at least one molecule of a therapeutic to a target site; and
breaking the nanotube in order to release one or more molecules of the therapeutic.

16. (Withdrawn) The method of claim 15 wherein breaking the nanotube includes expanding a medical device associated with the nanotube.
17. (Withdrawn) A method of medical diagnosis comprising:
 - inserting a plurality of nanotubes into a body of a patient;
 - positioning the plurality of nanotubes at a target site within the body of the patient;
 - interfacing the plurality of nanotubes with the target site;
 - removing the plurality of nanotubes from the target site; and
 - analyzing the plurality of nanotubes after they have been removed from the target site.
18. (Withdrawn) The method of claim 17 wherein interfacing the plurality of nanotubes includes pressing the nanotubes against the target site and expanding a medical device carrying the nanotubes.
19. (Withdrawn) The method of claim 17 wherein analyzing the plurality of nanotubes includes analyzing the physical orientation of the nanotubes and analyzing material removed from the target site.
20. (Withdrawn) A method for manufacturing a medical device sized for insertion into the body, the system comprising:
 - providing a medical device; and
 - interfacing a medical device with a plurality of nanotubes.
21. (Withdrawn) The method of claim 20 further comprising: dipping the medical device into a vessel containing a solution of nanotubes.
22. (Withdrawn) The method of claim 20 further comprising: rotating the medical device while it is being interfaced with the plurality of nanotubes.
23. (New) A medical apparatus comprising:
 - a medical device sized for insertion into a patient;

a plurality of nanotubes disposed over a surface of the medical device, wherein the plurality of nanotubes form a nanotube cage.

24. (New) The medical apparatus of claim 23, further comprising a therapeutic agent contained within the nanotube cage.